Friday, 9/21/2007 1:01:18 PM Kim Johnston User: **Process Sheet** : DOUBLER ASSEMBLY **Drawing Name** : CU-DAR001 Dart Helicopters Services Customer Job Number : 34793 : 12367 **Estimate Number** Part Number : D314009 P.O. Number S.O. No. : 1) A D3140 REV F **Drawing Number** : 9/21/2007 This Issue : N/A Project Number Prsht Rev. : NC Type : SMALL /MED FAB **Drawing Revision** First Issue : 27358 Material Previous Run Each : 10/12/2007 Qty: 2 Um: Due Date Written By Checked & Approved By : Est. 06,04.19 New Issue Comment Α Est Rev.B As per ECN #829 06-11-20 JLM **Additional Product** Job Number: Description: Seq. #: Angle 1.0 D314085 Comment: Qty.: 2.0000 Each(s) 1.0000 Each(s)/Unit Total: Angle 08-01-14 Batch D314089 2.0 Comment: Qty.: Total: 2.0000 Each(s) 1.0000 Each(s)/Unit Doubler (2) Batch 3.0 MS20426AD34 Comment: Qty.: 5.0000 Each(s)/Unit Total: 10.0000 Each(s) **RIVET** Batch SMALL & MEDIUM FAB RESOURCE 1 4.0 SMALL FAB 1 Comment: SMALL & MEDIUM FAB RESOURCE 1 08-01-15 Assemble as per Dwg D3140 INSPECT WORK TO CURRENT STEP 5.0 QC5 Comment: INSPECT WORK TO CURRENT STEP

Dart Aerospace Ltd

W/O:		WORK ORDER CHA	WORK ORDER CHANGES						
DATÉ	STEP PROCEDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
,									

Part No:	_PAR #:	Fault Category:	NCR: Yes No DQA:	<u> </u>
			QA: N/C Closed:	Date:

NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
DATE	0755	Description of NC		Corrective Action Section B			Approval	Approval		
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Chief Eng	QC Inspector		
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		PE OID PART Done in								
		02/05/03								
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NOTE: Date & initial all entries

Date:

Friday, 9/21/2007 1:01:18 PM

User:

Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: DOUBLER ASSEMBLY

Job Number: 34793

Part Number: D314009

Job Number:



Seq. #:

Machine Or Operation:

Description:

6.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location:



7.0

QC21

FINAL INSPECTION/W/O RELEASE





Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



6 080016

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W/O:		WORK ORDER CHANGES									
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
						4,4.4.					
Part No		PAR #: Fault Category:	NCR: Va	s No DO	Δ.	Date:					

Part No:	PAR #:	Fault Category:	N	ICR: Yes N	DQA:	Date: _	
				QA: N/C	Closed:	Date: _	

NCR:		WORK ORDER NON-CONFORMANCE (NCR)									
		⁻ Description of NC		Corrective Action Section B	Varification	Approval Chief Eng	Approval QC Inspector				
DATE	DATE STEP Description of NC Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C						
			-			!					
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NOTE: Date & initial all entries



DESIG	N 4	DRAWN BY	DART AEROSPACE LTD FIAWKESBURY, ONTARIO, CANADA
CHEC	KED	APPROVED	DRAWING NO. REV. F D3140 SHEET 1 OF 7
DATE 06.1	10.06		DOOR SCALE NTS
A		02.04.18	NEW ISSUE
В		03.01.23	REMOVE -65/-81/-83; ADD -301/-303
С		04.11.08	CHANGE DELASTEK SPEC. TEC-77; ADD PART MARKING; ADD NOTES 11, 12, 13; CHANGE ANGLE -95/-97/-98 TO 106'
D		05.11.23	ADD -103/-104/-105/-106; REMOVE -67
E		06.06.09	1.75 WAS 1.88, 4.75 WAS 4.13 ON -08/-07, 1.00 WAS 1.20 ON -09/-10

ADD NOTE 14; CORRECT PART TITLE, NOW D3140-09/-92/-104 SHOWN D3140-10/-91/-103 OPPOSITE

RELEASED 06.11.13

				<u> </u>				
QTY -05	QTY -06	QTY -07	QTY -08	QTY -09	QTY -10	PART NUMBER	DESCRIPTION	
X		<u> </u>				D3140-05	DOOR	
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		X			†	D3140-07	DOOR	1
			X			D3140-08	DOOR	1
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			1		Х	D3140-10	DOUBLER ASSEMBLY	1
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1	1					D3140-59	PAD	1
2	2					D3140-61	PAD	1
2	2			· · ·		D3140-63	PAD	1
		1	1			D3140-69	PAD]
		1	1			D3140-71	PAD	
		1	1			D3140-73	PAD	
		1	1			D3140-75	PAD	1
		1	1			D3140-77	PAD	
		1	1			D3140-79	PAD	
				1	1	D3140-85	ANGLE	
1	1					D3140-87	DOUBLER SH	P COPY
	·			1	1	D3140-89	DOUBLER RE	URN TO
		1				D3140-91	DOUBLER ENG	INEERING
			1		· · · · · · · · · · · · · · · · · · ·	D3140-92	DOUBLER VINCONT	OLLED COPY
3	3					D3140-95	DOUBLER	OAMENDMENT
1						D3140-97	DOUBLER SUBJECT	OUT NOTICE
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		2	2			D3140-101	DOUBLER NO.	2111
		1				D3140-103	DOUBLER	
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		·	1		f	D3140-106	DOUBLER]
1	1					D3140-241	DOUBLER	
1	-	1				D3140-301	DOUBLER	
	1		1			D3140-303	DOUBLER	
							·	
				5	5	MS20426AD3-4	RIVET	

06.10.06

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DESIGN #	$\mathcal{L}_{\mathcal{B}}$	1	AEROSPACE LTD KESBURY, ONTARIO, CANADA
CHECKED	APPROVED,	DRAWING NO.	REV. F
HLK		D3140	SHEET 2 OF 7
DATE		TITLE	SCALE
06.10.06		DOOR	NTS



COMPOSITE LAYUP & BONDING I.A.W. DELASTEK PROCESS SPEC. TEC-77 MATERIAL STORAGE & HANDLING TO BE I.A.W. DART QSI 006 MAIN LAYUP USES FIBERCOTE E-761/7781 EPOXY FIBERGLASS. FILL WITH EPOCAST 87269 OR MAGNOBOND 77 A & B AND MA560 FOAM/ NB-51/30 FOAM



FINISH: DUPONT HIGHBUILD GREY PRIMER 1144-S

MAKE PARTS IN ACCORDANCE WITH THE FOLLOWING TOOLS/MOLDS:

DADT	TOOL
<u>PART</u>	<u>TOOL</u>
D3140-05	B30-23000-01T
D3140-06	B30-23000-02T
D3140-07	B30-23000-03T
D3140-08	B30-23000-04T
D3140-57	B30-23000-57T
D3140-61	B30-23000-61T
D3140-63	B30-23000-63T
D3140-69	B30-23000-69T
D3140-71	B30-23000-71T
D3140-73	B30-23000-73T
D3140-75	B30-23000-75T
D3140-77	B30-23000-77T
D3140-79	B30-23000-79T
D3140-89	D3140-89T1
D3140-301	D3140-301T1
D3140-303	D3140-303T1



MATERIAL: 2024-T3 (QQ-A-250/4) 0.032 THICK (M2024T3S.032) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1



MATERIAL: 2024-T3 (QQ-A-250/4) 0.020 THICK (M2024T3S.020) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1



MATERIAL: 5052-H32/H34 (QQ-A-250/8) 0.040 THICK (M5052H32S.040) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1



MATERIAL: POLIMEX TR75 1" THICK 4.5 LB KLEGECELL



ALL DIMENSIONS IN INCHES



TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED



MATERIAL: 6061-T6 (QQ-A-250/11) 0.063 THICK (M6061-T6S.063) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1



DOUBLER TO SIT ON TOP OF FOAM AT THIS LOCATION



DOUBLER TO BE RECESSED FLUSH INTO FOAM AT THIS LOCATION



RUBBER STAMP WITH DART P/N D3140-05/-06/-07/-08 USING MIL-STD-130



PARTS MUST BE SCUFFED WITH 80 GRIT SANDPAPER PRIOR TO ACID ETCH AND ALODINE PER DART QSI 005 4.1



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